



Bitcoin Diploma Student Workbook

Chapter 1

Class Discussion — Why Do We Need Money?



Why do we need money?

What is money?

Who controls money?

What gives money its “value”?

What question do you have about money? Write down your question here to share with the class

Chapter 2






Activity - Class Discussion: "What is Money?"

Where does money come from, and who decides how much of it to print?

Why not print more money and distribute it among everyone equally?

Class Exercise - Properties of Money

To determine how well different items fit the specific characteristics of money, you can score each item on a scale from 1 to 5 for each characteristic. By tallying up the scores for each item, you can determine which one is best suited to be a form of money. [0 = Terrible; 3 = Okay; 5 = Excellent]

Characteristic of Good Money	 Cows	 Cigarettes	 Diamonds	 Euros	 Bitcoin
Durable					
Portable					
Uniform					
Acceptable					
Scarce					
Divisible					
Total					

Chapter 2



Activity - Class Discussion: “What is Money?”

Activity - Time Preference

Can you think of real-life examples where high time preference might be harmful and where low time preference might be beneficial?

What are some potential consequences of choosing high time preference over low time preference?

Chapter 3

Activity - Barter Game



What are the benefits of bartering?

Based on your experience with this exercise, what are the drawbacks of bartering?

Why do you think money has replaced commodities?






In what ways is using commodity money more efficient than bartering?

Chapter 6

Activity - Class Discussion - Is Bitcoin Sound Money?



Now that we have discussed Bitcoin in greater detail, let’s look at our money comparison table from Chapter 2 again and see how Bitcoin compares with other forms of money:

Characteristic of Good Money	 Cows	 Cigarettes	 Diamonds	 Euros	 Bitcoin
Durable					
Portable					
Uniform					
Acceptable					
Scarce					
Divisible					
Total					

Chapter 9

Activity - Mempool



Review the various elements displayed on the page, including the latest blocks, confirmed transactions, number of transactions, memory usage, and approximate value of the entire block. Answer the questions:

What was the last mined block?

How many transactions were included in that block?

What is the total value traded in bitcoin?

What was of the block in megabytes?

How many zeros does the nonce of the block start with? How much bitcoins did the miner earn in total?

Chapter 9

Activity - Mempool



What was the total value of fees received by the miner for adding the transactions to the network?

Choose one of the highest-value transactions in the block. How many Bitcoin addresses was the amount distributed to?

Chapter 10

Activity: Class Discussion — Do You Have the Right to Control Your Own Money?



Is money a human necessity and a human right? And why?

If you can't spend your money how you want, send it to who you want, or take your money with you to a new country, is it really yours? And why?

Why did barter stop being used? What is the problem with the double coincidence of wants?

What historical event was the most impactful for you? Why is it important to understand the Nixon shock and its relevance for everyone today?

How is money with a fixed supply different from traditional fiat currencies?

Chapter 10

Activity: Class Discussion — Do You Have the Right to Control Your Own Money?



When was Bitcoin created, by whom, for what purpose, and how does this purpose define the concept of a decentralized system?

What is the difference between a custodial and a non-custodial wallet?
What was your favorite wallet?

What do you understand about the Lightning Network? What type of transactions would you use it for?

Why does running your own node support the network?

How does having control over your own money empower you in your daily life and future planning?

Chapter 10

Activity: Class Discussion — Do You Have the Right to Control Your Own Money?



In what ways can financial freedom enhance your ability to contribute positively to your community or society?

Activity: Final Class Discussion — How Did Your Perspective Change?

Why do we need money?

What is money?

Who controls money?

Chapter 10



Activity: Final Class Discussion — How Did Your Perspective Change?

Why do we need money?

What is money?

Who controls money?

What gives money its “value”?

Write down the questions posed by students that were selected during Chapter 1 and answer them.

